Volume Contents

NUMBER 1

Pauray S. M. Tsai and **Chien-Ming Chen** 1 Discovering knowledge from large databases using prestored information

Oscar Díaz, Mario Piattini and **Coral Calero** 15 Measuring triggering-interaction complexity on active databases

Sudipto Guha, Rajeev Rastogi and **Kyuseok Shim** 35 CURE: An efficient clustering algorithm for large databases

NUMBER 2

The 1st Web Information Systems Engineering Conference (WISE '00)

Guest Editorial
Klaus Dittrich, Yanchun Zhang and **Yahiko Kambayashi** 59 Special issue on the 1st Web Information Systems Engineering Conference (WISE '00)

Xiaofang Zhou, Joseph D. Yates and **Guihai Chen** 61 Using visual spatial search interface for WWW applications

Fiona Lee, Stéphane Bressan and **Beng Chin Ooi** 75 Hybrid transformation for indexing and searching web documents in the cartographic paradigm

Dickson K. W. Chiu, Qing Li and **Kamalakar Karlapalem** 93 Web interface-driven cooperative exception handling in ADOME workflow management system

NUMBER 3

The 12th International Conference on Advanced Information Systems Engineering (CAiSE*00)

Editorial
Matthias Jarke and Dennis Shasha v New submission procedure at Information Systems

Guest Editorial
Benkt Wangler and **Anne Persson** 121 Special issue on advanced information systems engineering

Babak A. Farshcian 123 Integrating geographically distributed development teams through increased product awareness

Fabio Casati and **M.-C. Shan** 143 Dynamic and adaptive composition of e-services

Paul Johannesson and **Erik Perjons** 165 Design principles for process modelling in enterprise application integration

PII: S0306-4379(01)00051-5

Marina Krumbholz and **Neil Maiden** 185 The implementation of enterprise resource planning packages in different organisational and national cultures

Panos Vassiliadis, Christoph Quix, Yannis Vassiliou and **Matthias Jarke** 205 Data warehouse process management

NUMBER 4

Xavier Castellani, Hong Jiang and **Alain Billionnet** 237 Method for the analysis and design of class characteristic migrations during object system evolution

Nikos Karacapilidis and **Dimitris Papadias** 259 Computer supported argumentation and collaborative decision making: the HERMES system

Yang-Sae Moon, Kyu-Young Whang and **Woong-Kee Loh** 279 Efficient time-series subsequence matching using duality in constructing windows

Venkatraman Balasubramanian, Michael Bieber and **Tomás Isakowitz** 295 A case study in systematic hypermedia design

NUMBER 5

Data Warehousing

Patrick O'Neil and **Kenneth A. Ross** 321 Preface

Ashish Gupta, Inderpal S. Mumick, Jun Rao and **Kenneth A. Ross** 323 Adapting materialized views after redefinitions: techniques and a performance study

Dimitri Theodoratos 363 Detecting redundant materialized views in data warehouse evolution

Torben Bach Pedersen, Christian S. Jensen and **Curtis E. Dyreson** 383 A foundation for capturing and querying complex multidimensional data

NUMBER 6

Rajeev Rastogi and **Kyuseok Shim** 425 Mining optimized support rules for numeric attributes

Vesper Owei and **Shamkant B. Navathe** 445 Enriching the conceptual basis for query formulation through relationship semantics in databases

NUMBER 7

Noël Novelli and **Rosine Cicchetti** 477 Functional and embedded dependency inference: a data mining point of view

Oscar Pastor, Jaime Gómez, Emilio Insfrán and **Vicente Pelechano** 507 The OO-Method approach for information systems modeling: from object-oriented conceptual modeling to automated programming

NUMBER 8

Data Extraction, Cleaning and Reconciliation

Editorial
Mokrane Bouzeghoub and **Maurizio Lenzerini** 535 Introduction to: data extraction, cleaning, and reconciliation a special issue of Information Systems, An International Journal

Panos Vassiliadis, Zografoula Vagena, Spiros Skiadopoulos, Nikos Karayannidis and **Timos Sellis** 537 ARKTOS: towards the modeling, design, control and execution of ETL processes

Ling Liu, Calton Pu and **Wei Han** 563 An XML-enabled data extraction toolkit for web sources

Wai Lup Low, Mong Li Lee and **Tok Wang Ling** 585 A knowledge-based approach for duplicate elimination in data cleaning

Sheila Tejada, Craig A. Knoblock and **Steven Minton** 607 Learning object identification rules for information integration

Weiguo Fan, Hongjun Lu, Stuart E. Madnick and **David Cheung** 635 Discovering and reconciling value conflicts for numerical data integration

Suzanne M. Embury, Sue M. Brandt, John S. Robinson, Iain Sutherland, Frank A. Bisby, W. Alex Gray, Andrew C. Jones and **Richard J. White** 657 Adapting integrity enforcement techniques for data reconciliation